



SUBSTITUTE SPECIFICATION

TITLE OF THE INVENTION:

5 Nectarine Tree 'S 6817'

CROSS REFERENCE TO RELATED APPLICATIONS:

None

10 **PRIORITY CLAIM:**

This application claims priority of U.S. Provisional patent application Ser. No.
60/404,173 filed August 15, 2002.

STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH OR

15 **DEVELOPMENT:**

None

LATIN NAME OF THE GENUS AND SPECIES OF THE PLANT CLAIMED:

Prunus persica L. Batsch.

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VARIETY DENOMINATION:

'S 6817'

BACKGROUND OF THE INVENTION

The new nectarine tree 'S 6817' is the result of a controlled cross between 'Fantasia' (unpatented), seed parent, and an unnamed pollen parent. The cross was performed by the Institut
5 National de la Recherche Agronomique (INRA) at Angers, France, as part of a controlled breeding program. 'S 6817' was asexually propagated by budding at Angers, France, and has been observed to remain true to type over successive asexually propagated generations.

BRIEF SUMMARY OF THE INVENTION

10 'S 6817' was selected for its suitability as a commercial nectarine tree cultivar. Fruit of the 'S 6817' cultivar matures in late August in central Washington state. This variety is distinguishable over related variety 'S 6816' (U.S. Patent Application Ser. No. 10/642,442) by its later maturity date and larger and slightly astringent fruit.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS:

FIG. 1 shows a tree of the new cultivar;

FIG. 2 shows branches and blossoms of the new cultivar;

FIG. 3 shows a tree of the new cultivar;

FIG. 4 shows fruit and leaves of the new cultivar; and

20 FIG. 5 shows a sectioned fruit of the new cultivar.

DETAILED BOTANICAL DESCRIPTION OF THE VARIETY:

The following is a detailed botanical description of ‘S 6817,’ a new and distinct nectarine tree, based on observations made during the 2004 growing season, of specimens planted at Parker, Washington, USA, in 2001. The described trees were grown on ‘Lovell’ (not patented) rootstock. All colors are described according to the Royal Horticultural Society Color Chart. It should be understood that the botanical and analytical characteristics described will vary somewhat depending upon cultural practices and climatic conditions, and can vary with location and season. Quantified measurements are expressed as an average of measurements taken from a number of individual plants of the new variety. The measurements of any individual plant, or any group of plants, of the new variety may vary from the stated average.

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Tree

Type Non-spur type

Vigor Strong

Habit Upright, spreading

15 Size Width 3.2 m; height 1.9 m

Trunk Diameter 23.8 cm at soil level; bark very rough; overcolor grey 201D; undercolor grey-orange 166DA; lenticels 0.4 to 0.6 cm, yellow 159A

Flowering Branch

20 Size Lateral branch diameter 2.6 cm, length 40.4 cm (previous season growth); internode length 2.8 to 4.9 cm

Color Greyed-red 178A

Anthocyanin coloration Present, medium intensity

Buds

Abundance of flower buds Many

Distribution of flower buds Generally in groups of two or more

5 Bud burst March 20 at Parker, Washington

Duration of flowering March 20 to April 7 at Parker, Washington

Bud size Length 0.8 to 0.9 cm

Bud shape Elongated with blunt tip, smooth

Bud color Red-purple 60A, tip pink 68B

10 Tolerance to cold Hardy

Flower

Type Showy

Calyx color (open flower before falling of petals) Orange

15 Petals Quantity 5; length 1.6 to 1.7 cm, width 1.2 to 1.4 cm; margins ruffled, overlapping; shape rotund; color at tip pink 69C, at base pink 70B

Flower size Diameter 3.9 to 4.0 cm

Fragrance Mild

Sepals Length 0.4 to 0.5 cm, width 0.3 to 0.4 cm; red-purple 60A

20 Reproductive organs Stamen white 155D, quantity 32, length 0.9 to 1.0 cm; anther length 0.5 cm; filament 0.8 to 0.9 cm; pistil 1.1 to 1.2 cm, smooth, yellow 1A

	Pollen	Semi-abundant, yellow 1A
	Leaves	
	Size	Large, length 14.5 cm, width 3.0 cm
	Ratio length/width	Medium
5	Leaf shape	Oblanceolate, unfolded, tip recurved downward, base nearly right angle, equilateral, apex acuminate
	Leaf margin	Serrulate
	Leaf color	Upper surface green 147A; lower surface green 144A, anthocyanin coloration absent
10	Petiole	
	Size	Length 1.0 cm, diameter 0.1 cm
	Color	Green 149D
	Glands	Present, usually more than 2, reniform
	Fruit	
15	Size	Medium, diameter 8.6 cm
	Shape in profile view	Oblate, very flat
	Shape of tip	Bowl shaped depressed
	Symmetry when cut along suture	Asymmetric
	Suture	Marked
20	Depth of petiole cavity	Shallow, 1.2 cm
	Width of petiole cavity	Medium, 4.0 cm
	Skin	Thin, smooth, tenacious; ground color yellow-orange 19A,

		overcolor red 45A
	Firmness of flesh	Firm, crisp
	Flesh texture	Fine
	Color	Yellow-orange 23C
5	Anthocyanin coloration directly under skin	Absent
	Anthocyanin coloration of the flesh	Absent
	Anthocyanin coloration around the stone	Present, red 43A
	Flavor	Sub-acid
	Sugar content of flesh	Medium, 12.5° Brix
10	Stone	
	Size	Small in relation to fruit, diameter 26 mm
	Shape	Flat, round, ridged
	Color	Red, 53A
	Likelihood of stone to split	Absent or very weak
15	Degree of adherence to flesh	Medium, semi-freestone
	Maturity	
	Time of maturity	Late, beginning August 27 at Parker, Washington; requires more than one picking
	Preharvest drop	Some occurrence
20	Heat and cold tolerance	Tolerant in area tested (USDA Zone 6)
	Resistance to diseases and pests	None observed